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THE AUSTRALIAN COLONIES.—Continued.

Shipping.

1837-41.

	1837.	1838.	1839.	1840.	1841.	Averages.
INWARDS.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
New South Wales .	80,114	91,777	135,474	178,958	183,778	134,020
Western Australia.	..	5,516	16,805	39,661*	26,781+	..
South Australia . .		No return till 1841.			17,799	..
Van Dieman's Land	60,960	64,454	79,283	85,081	84,214	74,798
New Zealand ....	..	..	..	..	19,746	..
						208,818
OUTWARDS.						
New South Wales .	78,020	93,004	124,776	163,704	172,118	126,324
Western Australia.	..	4,857		..	35,162	..
South Australia ..		No return till 1841.			19,237	..
Van Dieman's Land	47,945	63,392	77,556	86,701	85,201	72,159
New Zealand ....	..	..	..	..	14,170	..
						198,483

B. B.

1842-46.

	1842.	1843.	1844.	1845.	1846.	Averages.
INWARDS.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
New South Wales .	143,921	110,864	87,539	105,352	141,467	117,828
Western Australia .	32,496‡	17,130§	10,002	7,855	6,365	14,769
South Australia . .	12,499	7,532	9,540	13,793	25,478	13,768
Van Dieman's Land	..	92,501	68,462	70,394	74,795	77,288
New Zealand	54,967	39,898	39,841||	..	..	44,902
						268,555
OUTWARDS.						
New South Wales .	134,970	110,026	109,242	103,961	134,998	118,639
Western Australia .	..	..	9,652	..	6,451	8,051
South Australia ..	12,835	8,001	9,212	12,763	24,031	13,368
Van Dieman's Land	..	88,984	71,756	71,422	79,430	77,898
New Zealand	46,506	36,752	36,217	..	..	39,825
						257,781

[B. B.

* For the year ending the 31st of March, 1841.

+ For the year ending the 31st of March, 1842.

‡ For the year ending the 30th of September, 1842.

§ For the year ending the 30th of September, 1843.

|| No subsequent returns have been received at the Colonial Office.

MISCELLANEOUS.

PROCEEDINGS OF THE STATISTICAL SOCIETY OF
LONDON.

Seventh Ordinary Meeting, 1848-9. Monday, 21st May, 1849.

Sir John P. Boileau, Bart., Vice-President, in the Chair.

The following Gentlemen were elected Fellows:—

John Galsworthy, Esq.

J. D. Payne, Esq.

J. Morrison, Esq.

The following Paper was read:—

A continuation of Dr. Guy's Paper on the Relative Value of Averages derived from Different Numbers of Observations. Read in part in the Meeting on the 16th of April.

Eighth Ordinary Meeting, 1848-9. Monday, 18th June, 1849.

Lieut.-Col. W. H. Sykes, F.R.S., Vice-President, in the Chair.

The following Gentlemen were elected Fellows:—

Richard Gardner, Esq. | J. Knapp, Esq.

The following Paper was read:—

On the Mortality of Master Mariners, with the Application of the Results to the purpose of Life Assurance. By Francis G. P. Neison, Esq.

THE MARRIAGES, BIRTHS, AND DEATHS,
REGISTERED IN THE DIVISIONS, COUNTIES, AND DISTRICTS OF ENGLAND,
AS PUBLISHED BY AUTHORITY OF THE REGISTRAR-GENERAL.

THE following Return comprises (1) the Births and Deaths registered in all the districts of England during the spring quarter ending June 30, 1849; and (2) the Marriages in above 12,000 churches and chapels, 2,869 registered places unconnected with the Established Church, and 623 Superintendent Registrars' Offices, during the quarter ending March 31, 1849. Looking at all the circumstances of the country, the general result of the return is favourable.

Marriages Registered in the Quarters ending March 31st, 1845-49; and the Births and Deaths Registered in the Quarters ending June 30th, 1845-49, in the Divisions, Counties, and Districts of England.

Population.		Marriages.		Births.		Deaths.	
		Registered in the Quarter ending the last Day of					
		March,		June,		June,	
1831.....	13,896,797	1845....	29,551	1845....	136,853	1845....	89,148
		1846....	31,417	1846....	149,450	1846....	90,231
1841.....	15,914,148	1847....	27,480	1847....	139,072	1847....	106,718
		1848....	28,301	1848....	149,837	1848....	99,730
Military	29,846	1849....	28,270	1849....	153,822	1849....	102,143

Registration did not exist in 1832; but it appears from the returns then made to the Board of Health, that in London 994 persons died of cholera in the first part of the epidemic, extending from Feb. 14 to May 15, 1832; 4,266 in the second part, extending from June 15 to October 31; and 15 in November and December. Allowing for defective returns in 1832, it is not probable that the fatality of cholera will be greater in 1849 than it was then; or that the danger will amount to more than this, that for a few weeks an inhabitant of London will incur the same chance of dying in one week as he usually incurs in two or three weeks.

MARRIAGES.—56,540 persons were married in the quarter ending March, 1849; in the corresponding quarter of 1848, 56,602; of 1847, 54,960; of 1846, 62,834. Comparing the marriages with the population, and taking the increase into account, the disposition to marry, which was excessive in the winters of 1845-6, is found to have declined and remained invariably near the average through the years 1847-8-9. The rate of marriage (.651 per cent.) in the winter of 1849 was lower than in the

winters of 1840, 1842, 1845, 1846, 1848; and higher than in the winters of 1838-39, 1841-3-4-7.

The marriages in England are always fewer in the winter than in any other quarter of the year. They have increased rapidly, though not uniformly, through the last 10 years. Thus the marriages in the winter of 1839 were 24,679; in the winter of 1849, 28,270.

The steadiness of the rate of marriage indicates the prudence of the people, and proves that they are as far from the depression of 1842 as from the elation of 1845.

The returns of the five winter quarters of 1845-9 show that the marriages in London were numerous in 1845-6, stationary in the three winters 1847-9. The marriages of the five winters 1845-9, were 182, 232, 206, 181, 203, in St. George's, Hanover Square; they declined at Brighton; fluctuated and fell at Bath; at Cheltenham the numbers were 90, 95 in 1845-6, and 64, 76, 77 in 1847-8-9. Marriages sensibly declined in Exeter and Bristol in the three winters of 1847-8-9; they rose rapidly in Shrewsbury in 1849, where a railway has recently been opened; also in Stoke-upon-Trent. The diminished number of marriages at Wolverhampton, West Bromwich, and Dudley, in the winters of 1848-9, as well as the excessive numbers in the winters of 1845-6-7, followed the fluctuations of the iron trade. Marriage is on the increase in Birmingham and Aston; also in Leicester, Nottingham, Derby, and Stockport; on the decrease in Wigan and Bury. The marriages at Liverpool, Manchester, and Leeds were nearly stationary in the three winters 1847-8-9; the numbers at Manchester had been excessive in the winters of 1845-6. Sheffield experienced little variation; but there were more marriages in the winter of 1849 than in that of 1848. Newcastle-upon-Tyne was stationary; Carlisle and Cockermouth made a sudden start in 1849. In the counties of Kent, Sussex, and Hampshire, marriages from 1846, and even from 1847, decreased; in Hertford, Buckingham, Oxford, Bedford, Cambridge, and Norfolk, marriages advanced. Marriages increased in Wilts, decreased sensibly in Devon. Gloucester, Worcester, and Hereford remained stationary in 1847-8-9; Shropshire, on the whole, advanced from 1845; Staffordshire and Warwickshire followed their large towns. The marriages in Lincolnshire fluctuated and increased from 1845; Nottinghamshire and Derbyshire are recovering from the depression of 1847. The rate of marriage, which for the winters 1845-6 had been above the average in Lancashire and the West Riding of Yorkshire, fell and was nearly stationary in 1847-8-9. In Northumberland and Cumberland the marriages in the winter of 1849 exceeded those of the winter preceding. Marriages declined in Monmouthshire (1847-8-9), increased in South Wales, and were nearly stationary in North Wales.

BIRTHS AND DEATHS: INCREASE OF POPULATION.—In the first three months of 1849, the births exceeded the average; the mortality was near the average. The present returns are for the three months ending June 30; when the births registered were 153,822, the deaths 102,143.

51,679 souls is the addition to the population of England in the 91 days. This natural increase of the population is, however, disturbed by the immigration of the Irish, and the emigration of the English people.

BIRTHS.—153,822 is a greater number of births than was ever registered before in the June, or in any other quarter. The rate of births, that is, the proportion of births to the population, was 3·492 per cent. per annum; it was higher (3·530) in the spring quarter of 1846. The births in the three years 1846-7-8, were 572,625, 539,965, 563,455. The depression in the births of 1847 is remarkable, and is not easily explained. The 307,512 births in the first half of the present year (1849) is an increase equally remarkable; and like the depression of 1847, cannot be accounted for by any fluctuation in the marriages.

STATE OF THE PUBLIC HEALTH.—The deaths in the quarter ending June 30, were 102,143; the deaths in the corresponding quarter of 1848 were 99,730, of 1847, 106,718. The annual *rate* of mortality in the spring of the five years 1845-9, was 2·134; 2·131; 2·488; 2·294; 2·319. If the rate remained through a year uniformly the same as in the spring of 1849, 2,319 persons would die to every 100,000 living. The mortality (2·319) is above the average; it is, however, lower than in the corresponding quarter of 1838, and considerably lower than 2·488, the rate in the June quarter of 1847.

MORTALITY OF THE METROPOLIS.

A Table of the Mortality in the Metropolis, showing the Number of Deaths from all Causes, in the Quarters ending June of the Four Years, 1846-47-48-49.

CAUSES OF DEATH.	Quarters ending June.*				CAUSES OF DEATH.	Quarters ending June.*			
	1846.	1847.	1848.	1849.		1846.	1847.	1848.	1849.
ALL CAUSES.....	11,271	12,361	12,945	13,008	III. Scrofula.....	77	73	100	112
SPECIFIED CAUSES.....	11,235	12,331	12,877	12,927	Tabes Mesenterica..	202	227	199	196
I. Zymotic Diseases.....	1,820	2,148	3,611	3,203	Phthisis or Con- sumption.....	1,850	1,733	1,639	1,708
SPORADIC DISEASES.					Hydrocephalus....	443	407	405	333
II. Dropsy, Cancer, and other Diseases of uncertain or va- riable Seat.....	492	548	560	553	IV. Cephalitis.....	147	173	140	151
III. Tubercular Diseases.	2,572	2,440	2,403	2,399	Apoplexy.....	329	317	256	330
IV. Diseases of the Brain, Spinal Marrow, Nerves, and Senses	1,544	1,590	1,446	1,571	Paralysis.....	246	255	269	278
V. Diseases of the Heart and Blood Vessels	405	515	365	487	Delirium Tremens..	33	35	35	33
VI. Diseases of the Lungs and of the other Organs of Respiration.....	1,574	1,923	1,672	1,922	Chorea.....	1	1	..	..
VII. Diseases of the Sto- mach, Liver, and other Organs of Digestion.....	788	830	728	783	Epilepsy.....	90	101	64	74
VIII. Diseases of the Kid- neys, &c.....	133	151	149	136	Tetanus.....	5	3	5	7
IX. Childbirth, Diseases of the Uterus, &c.	158	177	112	101	Insanity.....	29	31	23	21
X. Rheumatism, Dis- eases of the Bones, Joints, &c.....	134	161	92	92	Convulsions.....	514	526	499	516
XI. Diseases of the Skin, Cellular Tissue, &c.	15	22	21	20	Disease of Brain, &c.	150	148	155	161
XII. Malformations.....	47	40	58	35	V. Pericarditis.....	20	34	21	34
XIII. Premature Birth & Debility.....	255	286	292	298	Aneurism.....	11	15	20	26
XIV. Atrophy.....	235	291	312	263	VI. Disease of Heart..	374	466	324	427
XV. Age.....	491	664	498	466	Laryngitis.....	28	47	61	44
XVI. Sudden.....	129	150	133	172	Bronchitis.....	510	710	565	745
XVII. Violence, Privation, Cold, and Intem- perance.....	443	395	425	427	Pleurisy.....	40	67	56	48
					Pneumonia.....	705	748	732	815
I. Small Pox.....	87	181	381	113	Asthma.....	150	201	136	152
Measles.....	163	277	306	368	Disease of Lungs, &c	141	150	122	118
Scarlatina.....	177	174	816	497	Teething.....	114	120	120	131
Whooping Cough.....	545	392	449	739	Quinsey.....	16	20	18	12
Croup.....	67	60	80	91	Gastritis.....	20	30	14	27
Thrush.....	40	35	49	35	Enteritis.....	106	106	82	89
Diarrhoea.....	153	202	239	240	Peritonitis.....	54	66	65	59
Dysentery.....	18	39	41	41	Ascites.....	24	23	24	25
Cholera.....	9	4	17	268	Ulceration (of In- testines, &c.)..	40	23	34	27
Influenza.....	21	23	50	16	Hernia.....	28	45	40	37
Purpura and Scurvy	9	25	12	14	Ileus.....	39	37	24	37
Ague.....	8	11	10	9	Intussusception....	18	22	12	15
Remittent Fever.....	27	16	29	22	Stricture of the In- testine Canal..	11	7	2	11
Infantile Fever.....	22	10	7	6	Dis. of Stomach, &c.	82	85	85	66
Typhus.....	364	568	892	512	Disease of Pancreas	48	55	39	39
Metria, or Puer- peral Fever, see Childbirth.....	..	..	60	57	Hepatitis.....	30	36	31	44
Rheumatic Fever, { see Rheumatism }	..	..	12	17	Jaundice.....	154	155	133	160
Erysipelas.....	78	107	129	114	Disease of Liver....	3	..	2	3
Syphilis.....	30	33	31	43	Disease of Spleen..	11	7	5	2
Noma or Canker, { see Mortification }	2	1	11	2	VIII. Nephritis.....	..	..	32	35
Hydrophobia.....	..	..	..	..	Nephria (or Bright's Disease)	..	2	3	2
II. Haemorrhage.....	46	52	45	44	Ischuria.....	2	7	10	12
Dropsy.....	172	216	190	209	Diabetes.....	9	13	9	5
Abscess.....	16	11	19	15	Stone.....	7	13	10	9
Ulcer.....	12	24	8	16	Cystitis.....	11	7	10	9
Fistula.....	5	6	7	6	Stricture of Urethra	8	11	21	10
Mortification.....	34	29	52	42	Dis. of Kidneys, &c.	85	104	59	61
Cancer.....	191	197	224	197	IX. Paramenia.....	4	4	3	1
Gout.....	16	14	15	24	Ovarian Dropsy....	15	20	8	6
					Childbirth, see Metria	102	102	63	59
					Dis. of Uterus, &c..	37	51	38	35
					X. Arthritis.....	2	4	..	1
					Rheumatism.....	79	84	55	46
					Disease of Joints, &c.	53	73	37	45
					XI. Carbuncle.....	..	3	6	5
					Phlegmon.....	6	7	5	8
					Disease of Skin, &c.	9	12	10	7
					XVII. Intemperance..	20	13	12	13
					Privation.....	6	12	5	13
					Want of Breast Milk, see Privation & Atrophy	..	..	32	42
					Neglect.....	..	..	2	4
					Poison.....	..	..	85	27
					Burns and Scalds..	..	..	41	52
					Hanging, &c.....	..	..	42	32
					Drowning.....	417	370	78	67
					Fractures and Con- tusions.....	..	..	138	139
					Wounds.....	..	..	30	26
					Other Violence.....	..	..	10	12
					Causes not specified	36	30	68	81

* The mortality of the district of Lewisham, and sub-district of Hampstead, was included in the Metropolitan returns at the commencement of 1847, for the first time. Therefore the deaths for previous years are not contained in the above table. In the quarters ending March they were respectively (1845) 158, (1846) 142.

† Under the head of "sudden deaths" are classed not only deaths described as sudden, of which the cause has not been ascertained or stated; but also all deaths returned by the Coroner in vague terms, such as "found dead," "natural causes," &c., &c.

‡ In the years previous to 1848, "Worms" and "Infantile Fever" were classed together. The former is now placed to diseases of digestive organs.

NAMES OF THE PLACES.	Mean Pressure of Dry Air reduced to the level of the Sea.	Mean Temperature of the Air.	Highest Reading of the Thermometer.	Lowest Reading of the Thermometer.	Mean Daily Range of Temperature.	Mean Monthly Range of Temperature.	Range of Tempera- ture in the Quarter.	Mean Temperature of the Dew Point.	Mean estimated Strength.	WIND. General Direction.	Mean amount of Cloud.	RAIN.		Mean Weight of Va- pour in a Cubic Foot of Air.	Mean additional weight required to saturate a cubic Foot of Air.	Mean Degree of Hu- midity.	Mean whole Amount of Water in a Ver- tical Column of Atmosphere.	Mean Cubic Foot of a Height of 1000 Feet above the level of the Sea.	Feet.
												Number of Days on which it fell.	Amount Col- lected.						
Guernsey.....	29.591	55.6	75.0	36.0	11.5	26.2	39.0	43.0	1.4	E. by N.	4.9	36	7.2	8.5	0.4	0.705	4.2	533	123
Helston.....	29.591	51.6	78.0	30.0	14.6	36.7	46.0	46.0	1.6	S.W.	6.2	33	9.2	8.8	0.8	0.831	4.6	535	106
Falmouth.....	29.708	50.6	69.0	32.0	18.4	37.3	46.0	..	1.6	N. & Var.	6.2	33	9.2	8.8	0.8	0.831	4.6	535	106
Truro.....	29.708	52.3	73.0	28.0	18.4	38.3	50.0	42.2	1.8	N.	4.7	37	7.5	8.3	1.4	0.711	4.0	535	140
Chichester.....	29.787	51.8	78.0	28.0	15.4	35.0	43.0	41.5	..	E. & W.	4.7	37	7.5	8.3	1.4	0.711	4.0	535	140
Lefeld.....	29.787	51.0	84.0	25.0	20.3	43.7	59.0	42.0	1.8	S.	..	38	7.0	8.9	1.7	0.666	4.0	533	180
Southampton.....	29.603	51.1	88.0	23.0	20.7	43.7	59.0	47.2	0.5	S.W.	6.6	36	7.0	8.9	1.7	0.787	4.7	533	55
Reading.....	29.747	51.3	73.0	25.0	21.0	44.0	54.0	36.8	1.0	N.E.	6.7	35	5.8	2.7	0.9	0.620	4.6	584	265
Maidenstone Hill, Greenwich	29.537	51.0	80.7	26.8	17.6	39.4	53.9	46.0	..	N.	7.0	32	7.0	8.8	1.0	0.822	4.5	541	107
Royal Observatory Greenwich	29.605	51.0	80.7	26.8	17.6	39.4	53.9	43.6	..	N.	7.0	31	5.9	8.5	1.2	0.761	4.9	584	159
St. John's Wood.....	29.511	53.2	86.0	27.0	29.3	44.8	68.0	48.6	1.2	Var.	7.0	51	6.3	4.1	0.7	0.859	4.9	585	325
Watworth.....	29.589	52.6	86.0	27.0	29.3	44.8	68.0	44.5	2.6	S.W.	7.6	46	7.1	5.5	0.9	0.798	4.3	530	332
Lutmer Rectory.....	29.589	51.3	85.0	26.0	21.5	44.8	69.0	44.5	1.5	N.	6.4	46	7.1	3.6	1.3	0.723	4.1	529	280
Aylesbury.....	29.557	52.3	82.0	25.0	21.1	46.7	67.0	42.7	0.5	S.E.	6.9	48	7.3	3.4	1.1	0.771	4.6	532	320
Stone Observatory.....	29.558	50.3	77.7	26.5	18.1	41.0	51.2	42.0	1.0	N.E.	6.6	51	7.3	3.5	1.0	0.759	4.0	531	260
Hartwell House.....	29.558	51.2	80.0	29.0	20.9	46.0	51.0	43.8	0.8	N.	6.7	57	6.3	3.5	1.0	0.763	4.0	531	260
Hartwell Rectory.....	29.558	50.9	76.0	28.0	16.5	35.3	48.0	43.3	0.8	Var.	3.3	49	5.3	3.4	1.0	0.763	4.0	531	260
Saffron Walden.....	29.558	50.7	76.0	28.0	16.5	35.3	48.0	43.3	2.1	Var.	3.3	49	5.3	3.4	1.0	0.763	4.0	531	260
Rudcliff Observatory.....	29.558	51.5	77.0	28.0	17.9	39.6	48.0	..	2.1	N.E.	7.8	7.1	8.8	..	..	..	..	250	..
Hereford.....	29.558	49.9	78.0	22.0	17.9	39.6	48.4	43.8	..	N.E.	..	33	8.8	..	..	..	..	..	..
Cardington.....	29.589	51.0	77.0	28.0	17.9	39.6	48.4	43.8	..	N.E.	..	33	8.8	..	..	..	..	..	..
Northwich.....	29.589	49.6	74.6	25.8	14.5	35.7	56.0	45.0	..	Var.	6.9	52	6.3	3.5	1.0	0.782	4.2	536	70
Halkham.....	29.755	49.9	78.0	22.0	17.7	37.3	56.0	45.0	..	Var.	6.9	52	6.3	3.5	1.0	0.782	4.2	536	70
Leicester.....	29.755	49.6	74.6	25.8	14.5	35.7	48.8	43.2	..	N.E.	6.5	50	7.9	3.8	0.7	0.834	4.3	538	31
Derby.....	29.653	49.3	73.0	25.0	19.8	46.0	47.0	36.9	..	Var.	5.4	42	8.2	2.9	1.3	0.703	3.4	538	156
Highfield House.....	29.653	50.3	79.0	24.3	19.0	43.4	44.9	44.8	1.8	Var.	6.4	53	7.7	3.6	0.6	0.855	4.3	533	39
Manchester.....	29.653	51.4	74.6	32.6	11.2	31.7	42.0	44.9	1.8	N.W.	6.6	50	7.2	3.7	0.8	0.811	4.5	536	103
Liverpool.....	29.602	50.3	79.0	24.3	19.0	43.4	44.9	44.9	1.8	N.W.	6.6	50	7.2	3.7	0.8	0.811	4.5	536	103
Walsfield Prison.....	29.608	50.3	84.0	26.0	18.7	48.0	58.0	43.8	..	N.W.	6.0	41	5.4	3.5	0.9	0.798	4.2	538	37
Holmsfield House.....	29.608	50.6	79.0	27.0	19.5	46.0	62.0	42.3	..	W.	5.2	47	3.7	3.3	0.9	0.773	4.0	536	113
Stonarton Lodge.....	29.633	50.0	77.0	27.0	17.5	43.0	50.0	43.8	1.3	N.E. & S.W.	4.8	50	5.7	3.5	1.1	0.758	4.0	537	148
Stonyhurst Observatory.....	29.633	48.6	74.2	25.3	17.8	39.2	48.9	41.9	1.0	N.E. & S.W.	6.7	48	5.8	3.2	0.8	0.809	4.0	536	381
York.....	29.555	51.1	70.0	29.0	13.0	31.2	41.0	41.7	2.1	N.W.	..	40	4.0	3.0	1.2	0.722	4.0	535	50
Whitehaven.....	29.555	51.1	70.0	29.0	13.0	31.2	41.0	41.7	2.1	N.W.	..	39	9.9	3.2	1.2	0.722	4.0	535	50
Newcastle.....	29.558	48.4	71.0	26.0	13.5	32.5	45.0	42.9	..	S.E. & N.E.	..	39	9.9	3.4	0.7	0.834	4.1	537	121
Number of Columns.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

NOTES ON THE METEOROLOGICAL TABLE FOR THE QUARTER ENDING JUNE 30, 1849.

The mean of the numbers in the first column is 29·618 inches, and this value may be considered as the pressure of dry air for England during the quarter ending June 30, 1849.

The mean of the numbers in the second column, for Guernsey, and those places situated in the counties of Cornwall and Devonshire is 52°0; for those places situated south of latitude 52°, including Chichester and Hartwell, is 52°1; for those places situated between the latitudes of 52° and 53°, including Saffron Walden and Leicester, is 50°0; for those places situated between the latitudes 53° and 54°, including Derby and York, is 49°9; and for Whitehaven and Newcastle is 49°8. These values may be considered as those of the mean temperatures of the air for these parallels of latitude during the quarter ending June 30, 1849.

The average daily range of temperature in Cornwall and Devonshire was 14°8; at Liverpool and Whitehaven was 12°1; south of latitude 52° was 19°9; between the latitudes of 52° and 54° was 17°6; and at Whitehaven and Newcastle was 17°6.

The greatest mean daily ranges of the temperature of the air took place at St. John's Wood, Latimer, Aylesbury, and Beckington; that at St. John's Wood is very large—is it right? and the least occurred at Truro, Liverpool, Guernsey, and Whitehaven.

The highest thermometer readings during the quarter were 88° at Southampton, 86° at Walworth, 85° at St. John's Wood, and at Latimer. The lowest thermometer readings were 24°0 at Leicester, 24°3 at Highfield House, and 25°0 at Uckfield and at Aylesbury. The extreme range of temperature of the air during the quarter in England was therefore about 61°, considering the true extremes as 24° and 85°.

The average quarterly range of the reading of the thermometer in Cornwall and Devonshire was 43°0; at Liverpool and Whitehaven was 41°5; south of latitude 52° was 55°5, and north of 52° was 51°1.

The mean temperature of the dew point in Cornwall and Devonshire was 43°7, south of latitude 52° was 43°5; between the latitude of 52° and 53° was 42°2, and north of 53° was 43°6.

The amount of cloud seems to have been less than usual.

Rain has fallen on the greatest number of days at Hartwell, Wakefield, and Cardington; the average number at these places was 54. It fell on the least number of days at Maidenstone Hill, Hereford, and Beckington; and the average number at these places was 33. The stations at which the largest falls have taken place are Truro, Newcastle, and Helston. The smallest falls occurred at York, and generally in the north of England. The average fall in the counties of Cornwall and Devonshire was 8·1 inches; south of latitude 52° was 6·4 inches; between the latitudes of 52° and 53° was 7·4 inches; between 53° and 54° was 5·5 inches; and at Newcastle and Whitehaven was 7·8 inches.

The numbers in columns 15 to 18 show the mean values of the hygrometrical results, from which we find that—the mean weight of vapour in a cubic foot of air at all places (excepting Cornwall and Devonshire), in the quarter ending June 30, 1849, was 3·5 grains. The mean additional weight required to saturate a cubic foot of air was 0·9 grain. The mean degree of humidity (complete saturation = 1), was 0·776. The mean amount of vapour mixed with the air would have produced water, if all had been precipitated at one time on the surface of the earth, to the depth of 4·2 inches. The mean weight of a cubic foot of air under the mean pressure, temperature, and humidity, was 532 grains, at the average height of 170 feet. And these values for Cornwall and Devonshire were 3·5 grains; 0·9 grain; 0·749, 4·3 inches, and 534 grains at the average height of 120 feet.

Generally the differences of temperature at one place from the average values for that place sufficiently indicate the departures from the means for all other places, but in the past three months this has not been the case, the northern parts of the country having been subjected to a longer continuance of low temperature than usual, and the departures from the mean temperatures in the northern parallels of latitude have been greater than in the southern.

REVENUE.

Abstract of the Net Produce of the Revenue of Great Britain in the Years and Quarters ending 10th October, 1848 and 1849; showing the Increase or Decrease thereof.—(Continued from page 345.)

Sources of Revenue.	Years ending 10th October.			
	1848.	1849.	Increase.	Decrease.
	£	£	£	£
Customs.....	18,358,827	18,657,563	298,736	....
Excise	12,825,861	12,381,916	....	443,945
Stamps	6,203,105	6,328,213	125,108	....
Taxes.....	4,308,474	4,326,901	18,427	....
Property Tax	5,385,498	5,383,199	....	2,299
Post Office.....	786,000	852,000	66,000	....
Crown Lands.....	91,000	130,000	39,000	....
Miscellaneous	91,203	212,543	121,340	....
Total Ordinary Revenue	48,049,968	48,272,335	668,611	446,244
China Money	455,021	84,284	....	370,737
Imprest and other Moneys .	392,103	558,265	166,162	....
Repayments of Advances	347,604	565,383	217,779	....
Total Income.....	49,244,696	49,480,267	1,052,552	816,981
Deduct Decrease			816,981	
Increase on the Year			235,571	

Sources of Revenue.	Quarters ending 10th October.			
	1848.	1849.	Increase.	Decrease.
	£	£	£	£
Customs	5,406,483	5,253,272	....	153,211
Excise	4,102,574	4,287,577	185,003	....
Stamps	1,461,942	1,686,747	224,805	....
Taxes.....	215,656	203,057	....	12,599
Property Tax.....	1,892,890	1,914,006	21,116	....
Post Office.....	221,000	224,000	3,000	....
Crown Lands.....	20,000	20,000	....	....
Miscellaneous	13,923	21,902	7,979	....
Total Ordinary Revenue	13,334,468	13,610,561	441,903	165,810
China Money .....	....	....	....	....
Imprest and other Moneys	168,437	120,134	....	48,303
Repayments of Advances	112,605	166,199	53,594	....
Total Income.....	13,615,510	13,896,894	495,497	214,113
Deduct Decrease			214,113	
Increase on the Quarter			281,384	

Consolidated Fund Operations.—The total income brought to this account in the quarter ending 10th October, 1849, was 13,908,534*l.* The total charge upon it was 7,791,195*l.*, leaving a surplus of 6,117,339*l.*

CORN.

Average Prices of Corn per Imperial Quarter in England and Wales, during each Week of the Third Quarter of 1849; together with the Average Prices for the whole Quarter.—(Continued from p. 346.)

Returns received at the Corn Office, 1849.		Wheat.		Barley.	Oats.	Rye.	Beans.	Peas.
		Weekly Average	Aggregate Average of Six Weeks regulating Duty.	Weekly Average	Weekly Average	Weekly Average	Weekly Average	Weekly Average
Weeks ending 1849.		s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
July	7	47 1	45 1	25 11	17 11	28 1	32 1	33 10
	14	48 2	45 8	25 3	18 9	26 11	32 1	30 9
	21	48 10	46 4	26 7	19 4	28 6	32 1	32 4
	28	49 1	47 2	26 1	19 6	26 1	32 5	32 0
August	4	48 0	47 9	26 3	19 4	25 6	31 10	32 1
	11	47 4	48 1	25 8	19 2	26 7	32 0	31 1
	18	46 3	47 11	26 1	19 0	27 5	31 9	29 2
	25	44 8	47 4	26 4	18 10	26 5	32 2	28 8
Sept.	1	44 8	46 8	26 3	19 3	27 0	32 3	28 6
	8	44 6	45 11	26 9	18 4	25 11	31 2	29 7
	15	43 0	45 1	27 1	18 6	26 7	30 8	30 1
	22	41 9	44 2	27 1	17 10	25 11	29 9	30 0
	29	42 4	43 6	27 4	17 11	25 2	29 5	31 8
Average of the Quarter		45 9½	..	26 4½	18 9	26 7½	31 6	30 9

Foreign and Colonial Wheat and Wheat-Flour imported in each of the Months ending 5th July, 5th August, and 5th September, 1849; the Quantities Entered for Home Consumption during the same Months; and the Quantities remaining in Warehouse at the close of them.—(Continued from p. 346.)

WHEAT.

Months ending.	Imported.			Quantities entered for Home Consumption.			In Bond at the Month's end.		
	Foreign.	Colonial.	Total.	Foreign.	Colonial.	Total.	Foreign.	Colonial.	Total.
1849.	qrs.	qrs.	qrs.	qrs.	qrs.	qrs.	qrs.	qrs.	qrs.
5th July	262,508	1,238	263,746	306,334	1,175	307,509	128,567	174	128,741
5th Aug.	268,516	2,000	270,516	293,168	1,901	295,069	104,230	273	104,503
5th Sept.	273,348	5,803	279,151	302,528	4,421	306,949	75,049	1,666	76,705

WHEAT-FLOUR.

Months ending.	Imported.			Quantities entered for Home Consumption.			In Bond at the Month's end.		
	Foreign.	Colonial.	Total.	Foreign.	Colonial.	Total.	Foreign.	Colonial.	Total.
1849.	cwts.	cwts.	cwts.	cwts.	cwts.	cwts.	cwts.	cwts.	cwts.
5th July	172,638	34,553	207,191	226,747	39,444	266,191	119,259	2,067	121,326
5th Aug.	277,101	102,356	379,457	278,797	102,356	381,153	116,905	2,067	118,972
5th Sept.	268,404	62,568	320,972	314,595	62,727	367,322	72,714	1,446	74,160

CURRENCY.

BANK OF ENGLAND.

An Account, pursuant to the Act of the 7th and 8th Victoria, c. 32, for the Weeks ending on Saturday, the 21st July, the 18th August, and the 15th September, 1849.—(Continued from p. 347.)

ISSUE DEPARTMENT.			
	Weeks ending		
	21st July, 1849.	18th August, 1849.	15th Sept., 1849.
	£	£	£
Notes issued	27,834,475	27,636,770	27,910,900
Government Debt	11,015,100	11,015,100	11,015,100
Other Securities	2,984,900	2,984,900	2,984,900
Gold Coin and Bullion	13,557,906	13,360,201	13,633,823
Silver Bullion	276,569	276,569	277,077
Total	27,834,475	27,636,770	27,910,900

BANKING DEPARTMENT.			
Proprietors' Capital	14,553,000	14,553,000	14,553,000
Rest	3,215,652	3,309,469	3,578,609
Public Deposits	2,109,910	5,564,014	7,729,860
Other Deposits	11,302,086	9,400,121	9,035,206
Seven Day and other Bills	1,106,849	1,095,012	1,036,408
Total	32,987,497	33,921,616	35,933,083
Government Securities, including } Dead Weight Annuities }	14,335,835	14,282,877	14,324,255
Other Securities	9,657,804	9,937,253	10,403,105
Notes	8,111,140	8,756,460	10,246,150
Gold and Silver Coin	882,718	945,026	949,573
Total	32,987,497	33,921,616	35,933,083

COUNTRY BANKS.

Average Aggregate Amount of Promissory Notes of Country Banks, which have been in Circulation in the United Kingdom, distinguishing the several Banks, or Classes of Banks by which issued in each part of the Kingdom, during the weeks ending 14th July, 11th August, and 8th September, 1849.—(Continued from p. 347.)

Banks.	14th July, 1849.	11th August, 1849.	8th September, 1849.
England—Private Banks	3,479,601	3,451,107	3,327,967
Joint Stock Banks	2,586,166	2,531,314	2,457,536
Scotland—Chartered, Private, and } Joint Stock Banks	3,111,724	3,075,970	3,053,322
Ireland—Bank of Ireland	2,419,575	2,340,850	2,308,575
Private and Joint Stock } Banks	1,493,007	1,492,222	1,502,870
Total	13,090,073	12,891,463	12,650,270

BANKRUPTCY.

An Analysis of the Bankruptcies in England and Wales, gazetted in each Month of the Quarter ending 30th September, 1849; showing the Counties and Branches of Industry in which they have occurred.—(Continued from p. 348.)

COUNTIES.	July.	August.	September	TRADES.	July.	August.	September
Metropolis.....	29	16	14	<i>Agriculture and connected Trades.</i>			
Bedford	Farmers	2	2	2
Berks	Agricultural Implement Makers, &c. ....	.....	.....	.....
Bucks.....	Corn Factors	1	.....	.....
Cambridge	1	1	Millers and Maltsters.....	1	.....	5
Cheshire	2	.....	Hop Merchants .....	.....	.....	.....
Cornwall	Brewers	3	1	.....
Cumberland	1	.....	Horse and Cattle Dealers, and Woolstaplers	1	.....	2
Derby	1	.....	<i>Mining and connected Trades.</i>			
Devon	1	4	Mining Firms .....	.....	.....	.....
Dorset	1	.....	Blasting Works .....	.....	.....	.....
Durham.....	1	2	<i>Manufactures.</i>			
Essex.....	3	4	Woollen Manufacturers	1	.....	.....
Gloucester	1	Cotton „ .....	.....	.....	.....
Hants.....	1	Linen „ .....	.....	.....	.....
Hereford	1	Silk .....	.....	.....	.....
Hertford	3	1	Printers and Dyers	2	3	.....
Huntingdon	1	Lace Manufacturers	1	.....	.....
Kent.....	3	2	Hosiery „ .....	.....	.....	.....
Lancashire.....	14	10	Hardware „ .....	.....	.....	.....
Leicester	1	Earthenware „ .....	.....	.....	.....
Lincoln	2	2	Glass „ .....	.....	.....	.....
Middlesex (exclusive of the Metropolis) }	Paper „ .....	.....	.....	.....
Monmouth.....	Builders	6	4	1
Norfolk	2	2	Miscellaneous Manufacturers....	8	6	1
Northampton.....	<i>Commerce.</i>			
Northumberland	2	2	Bankers and Merchants	13	7	12
Nottingham	2	1	Shipowners, Warehousemen, Brokers, and Wholesale Dealers generally }	4	7	8
Oxford	1	<i>Retail and Handicraft Trades.</i>			
Rutland	Bakers.....	1	2	6
Salop	1	2	Butchers	1	.....	.....
Somerset (including Bristol) }	6	3	Corn and Hay Dealers	2	1	.....
Stafford	2	4	Innkeepers and Victuallers.....	12	8	6
Suffolk	3	1	Wine and Spirit Merchants .....	.....	.....	.....
Surrey (exclusive of the Metropolis) }	1	Dealers in Grocery, Drugs, and Spices.....	10	2	6
Sussex	2	.....	Makers of, and Dealers in, Clothing	6	13	11
Warwick	4	2	Makers of, and Dealers in, Furniture	1	4	1
Westmoreland	Coach Builders .....	.....	.....	.....
Wilts	1	Miscellaneous	25	15	12
Worcester	4				
York (East Riding)	1				
„ (North Riding)				
„ (West Riding).....	7	2				
Wales	7	3				
Total	101	75	73	Total.....	101	75	73